

This listing of claims will replace all prior versions and listings of claims in this application:

Listing of Claims

1. (currently amended) A system enabling a user to ask a question (query) and for providing the user with one or more answers or solutions to such question, the system comprising:

a knowledge base comprising a set of answers having the form S-A-O (subject-action-object), and further comprising links to documents corresponding to the set of answers;

a problem statement generator configured to receive a natural language query from a user apparatus and to automatically generate a problem statement in the form A-O, S-A, S-X-O or S, where S, A and O are query elements in the natural language query;

~~user apparatus for automatically generating first signals representative of a natural language user query that includes one or more query elements in the form of (A-O), (S-A), (S-X-O), or (S), the user apparatus configured to extract the one or more query elements from the natural language user query and to generate one or more problem statements in the form of (A-O), (S-A), (S-X-O) or (S);~~

~~a server coupled to a the knowledge base of semantically and automatically processed information including a plurality of available answers in the form of S-A-Os, the server configured to[:]~~

search the knowledge base using the problem statement to find at least one S-A-O answer, wherein the A and O, or S and A, or S and O or S query elements in the problem statement are also in the at least one S-A-O answer

~~generate a knowledge base query from the all of the one or more problem statement and identify at least one answer S-A-O in the knowledge base that includes the knowledge base query elements, in response to the server receiving the first signals; and~~

~~generate second signals representative of the at least one answer S-A-O, wherein the user apparatus is configured to generate a natural language audio~~

~~message or visual display of the at least one answer S-A-O in response to receiving the second signals; and~~

a communication devices configured to transmit the at least one answer S-A-O and associated document links to first signals from the user apparatus to the server and to transmit the second signals from the server to the user apparatus.

2. (currently amended) A system as set forth in claim 1, wherein said server is configured to conduct ~~conducts~~ a search of the World Wide Web, identify ~~identifies~~ documents that include new answer S-A-O's each comprising ~~an element or elements that match the one or more~~ query elements in the problem statement, stores ~~store~~ links to such documents, and add ~~adds~~ such new answer S-A-O's to the knowledge base, ~~and wherein the server includes, as part of the second signals, representations of each of the new answer S-A-O's.~~

3. (currently amended) A system as set forth in claim 2, wherein said server is also configured to conduct ~~conducts~~ said search automatically in response to the server determining that no answer S-A-Os exist in the knowledge base comprising the query elements in the problem statement ~~element or elements matches the one or more query elements or in response to a user search command.~~

4. (currently amended) A system as set forth in claim [3]2, wherein said server is programmed to prompt ~~query~~ the user for a command to determine if user wants to initiate the user search command of the World Wide Web.

5. (currently amended) A system as set forth in claim 1, wherein the user apparatus converts human voice signals into said problem statement ~~first signals.~~

6. (currently amended) A system as set forth in claim 1, wherein the user apparatus converts the at least one answer S-A-O ~~second signals~~ into audio signals.

7. (currently amended) A system as set forth in claim 1, wherein said user apparatus includes voice-to-text and text-to-voice recognition capability and a client software module including the problem statement generator for generating said first signals and for receiving said second signals.

8. (currently amended) A system as set forth in claim 1, wherein said user apparatus includes a user digital computer for generating said ~~first signals~~ problem statement and receiving said ~~second signals at least one answer S-A-O.~~

9. (original) A system as set forth in claim 8, wherein said user apparatus further includes at least one user input device that includes a human voice to signal converter or a keyboard.

10. (original) A system as set forth in claim 8, wherein said user apparatus further includes at least one user input device that includes a signal to audio converter or a visual display monitor.

11. (currently amended) A system as set forth in claim 1, wherein ~~said second signals~~ represent each of the at least one answer S-A-Os is represented in a sentence format.

12. (currently amended) In a digital computing system, a method enabling a user to input a question (query) and providing the user with one or more answers or solutions to such query, the method comprising:

~~generating automatically first signals representative of~~ receiving a natural language user query that includes one or more query elements in the form of (A-O), (S-A), (S-X-O), or (S);

~~extracting the one or more query elements from the natural language user query and generating one or more problem statement in the form of (A-O), (S-A), (S-X-O) or (S);~~

providing a knowledge base of semantically and automatically processed information including a set plurality of available answers in the form of S-A-O's (subject-action-object), and further comprising links to documents corresponding to the set of answers;

automatically generating a problem statement in the form A-O, S-A, S-X-O or S from the natural language query, where S, A and O are query elements in the natural language query;

~~generating a knowledge base query from the all of the one or more problem statements; and~~

using the problem statement, identifying in the knowledge base, in response to the first signals, at least one answer S-A-O, wherein the A and O, or S and A, or S and O, or S in the knowledge base that includes the knowledge base query elements in the problem statement are also in the at least one S-A-O answer; and

~~generating, in response to said identifying, second transmitting signals representative of the at least one answer S-A-O, and generating in response to the second signals a natural language audio message or visual display of the at least one answers S-A-O to the user apparatus.~~

13. (currently amended) A method as set forth in claim 12, further comprising searching the World Wide Web, identifying documents that include new answer S-A-O's each comprising ~~an element or elements that match the one or more query elements in the problem statement~~, storing links to such documents, and adding such new answer S-A-O's to the knowledge base, ~~and wherein at least a part of the second signals represent each of the new answer S-A-O's.~~

14. (currently amended) A method as set forth in claim 13, including initiating wherein said searching initiates automatically in response to identifying determining that no answer S-A-Os exist in the knowledge base that include the query element or elements in the problem statement that matches the one or more query elements or in response to a user search command.

15. (currently amended) A method as set forth in claim 13 [14], further including prompting the user for a command to determine if user wants to initiate the searching of the World Wide Web user search command.

16. (currently amended) A method as set forth in claim 12, further comprising converting human voice signals into said first signals problem statement.

17. (currently amended) A method as set forth in claim 12, further comprising converting the at least one answer S-A-O second signals into audio signals or visual display.

18. (currently amended) A method as set forth in claim 12, wherein generating the first signals problem statement includes converting voice-to-text.

19. (currently amended) A method as set forth in claim 17 [12], wherein generating the audio signals message or visual display includes converting text-to-audio or voice-to-text.

20. (currently amended) A method of providing one or more solutions in response to a user query, the method comprising:

providing a knowledge base of semantically and automatically processed information including a set of answers in the form of S-A-O's (subject-action-object), and further comprising links to documents corresponding to the set of answers;

processing a natural language user query at a user device, including extracting the one or more query elements from the natural language user query and formatting the user query into an generating a problem statement in the form A-O, S-A, S-X-O or S problem statement from the natural language user query, where S, A and O are query elements in the natural language query, converting the problem statement into a URL query, and sending the URL query to a semantic server having access to the knowledge base;

generating a knowledge base query from the URL query at the semantic server ~~and knowledge base, which comprises a plurality of semantically processed S-A-O solutions to a plurality of problem statements, the processing including:~~

searching the knowledge base for one or more S-A-O solutions associated with the problem statement, and

if the one or more S-A-O solutions are found, converting the one or more S-A-O solutions into at least one HTML page and sending the at least one HTML page to the user device; and

processing the at least one HTML page at the user device to output a the one or more S-A-O solutions to the user query.